

Declaration for Patent Application

Docket Number: 1488.1000003

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed and for which a patent is sought on the invention entitled Vascular Endothelial Growth Factor 2, the specification of which is attached hereto unless the following box is checked:

- ☒ was filed on March 13, 1998;
as United States Application Number or PCT International Application Number 09/042,105; and
was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)			Priority Claimed
	(Country)	(Day/Month/Year Filed)	<input type="checkbox"/> Yes <input type="checkbox"/> No
(Application No.)			
(Application No.)			<input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

	(Filing Date)
(Application No.)	
(Application No.)	

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or under § 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

<u>Not Known</u> (Application No.)	<u>December 24, 1997</u> (Filing Date)	<u>Pending (Atty. Docket No. 1488.1000004)</u> (Status - patented, pending, abandoned)
<u>08/824,996</u> (Application No.)	<u>March 27, 1997</u> (Filing Date)	<u>Pending</u> (Status - patented, pending, abandoned)
<u>08/465,968</u> (Application No.)	<u>June 6, 1995</u> (Filing Date)	<u>Pending</u> (Status - patented, pending, abandoned)
<u>08/207,550</u> (Application No.)	<u>March 8, 1994</u> (Filing Date)	<u>Abandoned</u> (Status - patented, pending, abandoned)

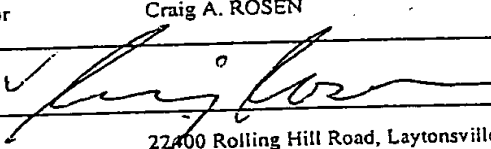
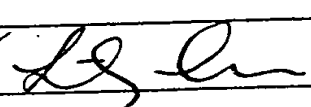
Send Correspondence to:

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 New York Avenue, N.W.
Suite 600
Washington, D.C. 20005-3934

Direct Telephone Calls to:

(202) 371-2600

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor	Jing-Shan HU
Inventor's signature ✓	Date ✓
Residence	1247 Lakeside Drive, #3034, Sunnyvale, CA 94086
Citizenship	China
Post Office Address	(Same as above)
Full name of second inventor	Craig A. ROSEN
Second Inventor's signature ✓ 	Date 5/29/98 ✓
Residence	22400 Rolling Hill Road, Laytonsville, MD 20882
Citizenship	USA
Post Office Address	(Same as above)
Full name of third inventor	Liang CAO
Third inventor's signature ✓ 	Date May 25, 1998 ✓
Residence ✓	Block 13A, Flat 32D, South Horizons, Hong Kong
Citizenship	China
Post Office Address ✓	Same as above

Declaration for Patent Application

Docket Number: 1488.1000003

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed and for which a patent is sought on the invention entitled Vascular Endothelial Growth Factor 2, the specification of which is attached hereto unless the following box is checked:

- ☒ was filed on March 13, 1998;
as United States Application Number or PCT International Application Number 09/042,105; and
was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)			Priority Claimed
_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No
(Application No.)	(Country)	(Day/Month/Year Filed)	
_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No
(Application No.)	(Country)	(Day/Month/Year Filed)	

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

_____	_____
(Application No.)	(Filing Date)
_____	_____
(Application No.)	(Filing Date)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or under § 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

<u>Not Known</u>	<u>December 24, 1997</u>	<u>Pending (Atty. Docket No. 1488.1000004)</u>
(Application No.)	(Filing Date)	(Status - patented, pending, abandoned)
<u>08/824,996</u>	<u>March 27, 1997</u>	<u>Pending</u>
(Application No.)	(Filing Date)	(Status - patented, pending, abandoned)
<u>08/465,968</u>	<u>June 6, 1995</u>	<u>Pending</u>
(Application No.)	(Filing Date)	(Status - patented, pending, abandoned)
<u>08/207,550</u>	<u>March 8, 1994</u>	<u>Abandoned</u>
(Application No.)	(Filing Date)	(Status - patented, pending, abandoned)

Send Correspondence to:

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 New York Avenue, N.W.
Suite 600
Washington, D.C. 20005-3934

Direct Telephone Calls to:

(202) 371-2600

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor	Jing-Shan HU
Inventor's signature ✓	<i>Jing-Shan HU</i> 5/28/98 ✓ Date
Residence	1247 Lakeside Drive, #3034, Sunnyvale, CA 94086
Citizenship	China
Post Office Address	(Same as above)
Full name of second inventor	Craig A. ROSEN
Second Inventor's signature ✓	✓ Date
Residence	22400 Rolling Hill Road, Laytonsville, MD 20882
Citizenship	USA
Post Office Address	(Same as above)
Full name of third inventor	Liang CAO
Third inventor's signature ✓	✓ Date
Residence ✓	
Citizenship	China
Post Office Address ✓	

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned: Jing-Shan HU, Craig A. ROSEN, and Liang CAO, the undersigned hereby sell(s) and assign(s) to Human Genome Sciences, Inc. (the Assignee) his/her entire right, title and interest

check applicable box(es) ☒ for the United States of America (as defined in 35 U.S.C. § 100),
☒ and throughout the world,

in the invention(s) known as Vascular Endothelial Growth Factor 2 for which application(s) for patent in the United States of America has (have) been executed by the undersigned on ✓ 5/26/98 (also known as United States Application No. 09/042,105, filed March 13, 1998), in any and all applications thereon, in any and all Letters Patent(s) therefor, and in any and all reissues, extensions, renewals, reexaminations of such applications or Letters Patent(s) and divisional and continuation applications thereof, to the full end of the term or terms for which such Letters Patent(s) issue, including the right to collect for all past, present and future damages, such entire right, title and interest to be held and enjoyed by the above-named Assignee to the same extent as they would have been held and enjoyed by the undersigned had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference that may be declared concerning the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned hereby represents that the undersigned has full right to convey the entire interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict therewith.

The undersigned hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; Samuel L. Fox, Esquire, Registration No. 30,353; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Robert H. Benson, Esquire, Registration No. 30,446; A. Anders Brookes, Esquire, Registration No. 36,373; Kenley K. Hoover, Registration No. 40,302; and James H. Davis, Registration No. 40,582, of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).

Date: ✓ 5/26/98 Signature of Inventor: ✓ [Signature] Hu
Jing-Shan HU

Date: ✓ Signature of Inventor: ✓
Craig A. ROSEN

Date: ✓ Signature of Inventor: ✓
Liang CAO

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned: Jing-Shan HU, Craig A. ROSEN, and Liang CAO, the undersigned hereby sell(s) and assign(s) to Human Genome Sciences, Inc. (the Assignee) his/her entire right, title and interest

check applicable box(es) ☒ for the United States of America (as defined in 35 U.S.C. § 100),
☒ and throughout the world,

in the invention(s) known as Vascular Endothelial Growth Factor 2 for which application(s) for patent in the United States of America has (have) been executed by the undersigned on 5/25 & 28/98 (also known as United States Application No. 09/042,105, filed March 13, 1998), in any and all applications thereon, in any and all Letters Patent(s) therefor, and in any and all reissues, extensions, renewals, reexaminations of such applications or Letters Patent(s) and divisional and continuation applications thereof, to the full end of the term or terms for which such Letters Patent(s) issue, including the right to collect for all past, present and future damages, such entire right, title and interest to be held and enjoyed by the above-named Assignee to the same extent as they would have been held and enjoyed by the undersigned had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference that may be declared concerning the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned hereby represents that the undersigned has full right to convey the entire interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict therewith.

The undersigned hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; Samuel L. Fox, Esquire, Registration No. 30,353; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Robert H. Benson, Esquire, Registration No. 30,446; A. Anders Brookes, Esquire, Registration No. 36,373; Kenley K. Hoover, Registration No. 40,302; and James H. Davis, Registration No. 40,582, of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).

Date: 5/25/98 Signature of Inventor: Jing-Shan HU
Date: 5/28/98 Signature of Inventor: Craig A. ROSEN
Date: May 25, 1998 Signature of Inventor: Liang CAO